

ABSTRACT

An intervertebral spacer device having a pair of outwardly facing surfaces for seating against opposing vertebral bone surfaces. The preferred attachment device for securing each outwardly facing surface to a vertebral bone surface is a convex metal mesh that is buried in a plasma spray at its perimeter to the outwardly facing surface. The metal mesh deflects as necessary during insertion of the intervertebral spacer device between vertebral bodies, and, once the intervertebral spacer device is seated between the vertebral bodies, deforms as necessary under anatomical loads to reshape itself to the concave surface of the vertebral endplate. The metal mesh therefore provides superior gripping and holding strength upon initial implantation and an osteoconductive surface through which the vertebral bone may ultimately grow.